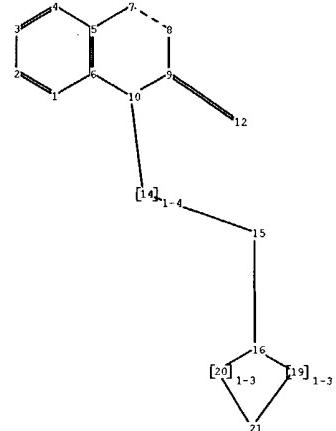
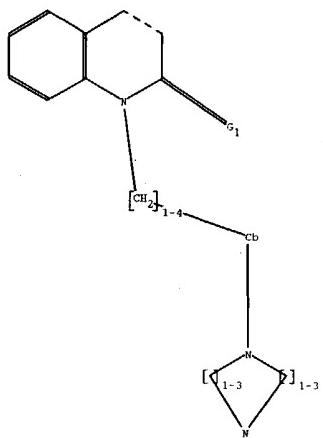


C:\stnweb\Queries\4.str



chain nodes :

12 14 15

ring nodes :

1 2 3 4 5 6 7 8 9 10 16 19 20 21

chain bonds :

9-12 10-14 14-15 15-16

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 16-19 16-20 19-21 20-21

exact/norm bonds :

5-7 6-10 7-8 8-9 9-10 9-12 16-19 16-20 19-21 20-21

exact bonds :

10-14 14-15 15-16

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 12:CLASS
14:CLASS 15:Atom 16:Atom 19:Atom 20:Atom 21:Atom

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| | | |
|---------------------|-----------|---|
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| <u>NEWS</u> | <u>2</u> | "Ask CAS" for self-help around the clock |
| <u>NEWS</u> | <u>3</u> | May 12 EXTEND option available in structure searching |
| <u>NEWS</u> | <u>4</u> | May 12 Polymer links for the POLYLINK command completed in REGISTRY |
| <u>NEWS</u> | <u>5</u> | May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus |
| <u>NEWS</u> | <u>6</u> | May 27 CAplus super roles and document types searchable in REGISTRY |
| <u>NEWS</u> | <u>7</u> | Jun 28 Additional enzyme-catalyzed reactions added to CASREACT |
| <u>NEWS</u> | <u>8</u> | Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R) |
| <u>NEWS</u> | <u>9</u> | Jul 12 BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS |
| <u>NEWS</u> | <u>10</u> | Jul 30 BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting |
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| <u>NEWS</u> | <u>12</u> | AUG 02 CAplus and CA patent records enhanced with European and Japan Patent Office Classifications |
| <u>NEWS</u> | <u>13</u> | AUG 02 STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting |
| <u>NEWS</u> | <u>14</u> | AUG 02 The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available |
| <u>NEWS</u> | <u>15</u> | AUG 04 Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004 |
| <u>NEWS</u> | <u>16</u> | AUG 27 BIOCOMMERCE: Changes and enhancements to content coverage |
| <u>NEWS</u> | <u>17</u> | AUG 27 BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC |
| <u>NEWS</u> | <u>18</u> | SEP 01 INPADOC: New family current-awareness alert (SDI) available |
| <u>NEWS</u> | <u>19</u> | SEP 01 New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! |
| <u>NEWS</u> | <u>20</u> | SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX |
| <u>NEWS</u> | <u>21</u> | SEP 14 STN Patent Forum to be held October 13, 2004, in Iselin, NJ |
| <u>NEWS EXPRESS</u> | | JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004 |
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DICTIONARY FILE UPDATES: 13 SEP 2004 HIGHEST RN 744170-41-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

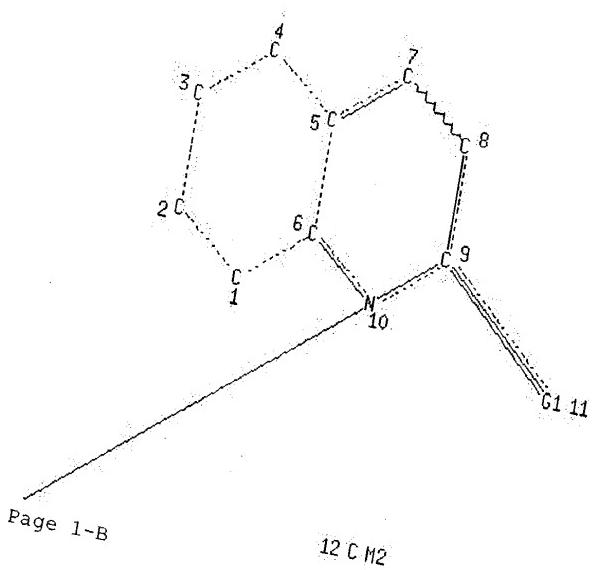
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<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>
L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR
0 21 S 22



Page 2-A

13
CB
14
C 17
C 16
Page 2-B
15
16
17
18
Page 3-A

Page 3-B
VAR G1=21/22
REP G18=(1-3) 17-14 17-18
REP G19=(1-3) 16-14 16-18
REP G20=(1-4) 12-10 12-13
NODE ATTRIBUTES:

| | | | |
|-------------------|--------------------|----|----------|
| HCOUNT | IS M2 | AT | 12 |
| NSPEC | IS R | AT | 1 |
| NSPEC | IS R | AT | 2 |
| NSPEC | IS R | AT | 3 |
| NSPEC | IS R | AT | 4 |
| NSPEC | IS R | AT | 5 |
| NSPEC | IS R | AT | 6 |
| NSPEC | IS R | AT | 7 |
| NSPEC | IS R | AT | 8 |
| NSPEC | IS R | AT | 9 |
| NSPEC | IS C | AT | 10 |
| NSPEC | IS C | AT | 11 |
| NSPEC | IS C | AT | 12 |
| NSPEC | IS R | AT | 13 |
| NSPEC | IS C | AT | 14 |
| NSPEC | IS R | AT | 15 |
| NSPEC | IS R | AT | 16 |
| NSPEC | IS R | AT | 17 |
| NSPEC | IS R | AT | 18 |
| NSPEC | IS R | AT | 19 |
| DEFAULT | MLEVEL IS ATOM | AT | 20 |
| MLEVEL | IS CLASS | AT | 12 21 22 |
| DEFAULT | ECLEVEL IS LIMITED | | |
| GRAPH ATTRIBUTES: | | | |
| RSPEC | 10 | | |

NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE

=> s 11

SAMPLE SEARCH INITIATED 14:37:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 8889 TO ITERATE

11.2% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 172131 TO 183429
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 14:37:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 179696 TO ITERATE

100.0% PROCESSED 179696 ITERATIONS
SEARCH TIME: 00.00.04

L3 0 SEA SSS FUL L1

=>

SALES PERSON: 53
CUSTOMER NBR: 035353

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DATE: 14 SEP 04
PAGE: 01

TO: 4025 CONNECTICUT AVE NW
APT 305
WASHINGTON DC 20008
202-248-1812-H
571-273-0692-F

FOR: ROBINSON/BINTA M

04 OCT 04 - MONDAY

AIR UNITED AIRLINES FLT:932 ECONOMY MULTI MEALS
LV WASHINGTON DULLES 935P EQP: BOEING 777
07HR 55MIN

05 OCT 04 - TUESDAY

AR FRANKFURT 1130A NON-STOP
ARRIVE: TERMINAL 1 REF: ZLS1SC
AIR UNITED AIRLINES FLT:8802 ECONOMY SNACK
FRANKFURT-ROME FIUMICINO OPERATED BY LUFTHANSA
LV FRANKFURT 230P EQP: AIRBUS A321
DEPART: TERMINAL 1 01HR 35MIN
AR ROME FIUMICINO 405P NON-STOP
ARRIVE: TERMINAL B DOM-SCHENGEN REF: ZLS1SC

17 OCT 04 - SUNDAY

AIR LUFTHANSA FLT:3853 ECONOMY REFRSHMNT/COMP
LV ROME FIUMICINO 705A EQP: AIRBUS A321-200
DEPART: TERMINAL B DOM-SCHENGEN 02HR 00MIN
AR FRANKFURT 905A NON-STOP
ARRIVE: TERMINAL 1 REF: 2MZ5N4
AIR LUFTHANSA FLT:418 ECONOMY MEALS
LV FRANKFURT 120P EQP: BOEING 747
DEPART: TERMINAL 1 08HR 30MIN
AR WASHINGTON DULLES 350P NON-STOP
REF: 2MZ5N4

CONTINUED ON PAGE 2

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|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 0.84 | 1.05 |

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 COST IN U.S. DOLLARS

| FULL ESTIMATED COST | SINCE FILE ENTRY | TOTAL SESSION |
|---------------------|------------------|---------------|
| 0.84 | 1.05 | |

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```
=> file hcaplus
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY        SESSION
FULL ESTIMATED COST          0.42           1.47
```

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FILE COVERS 1907 - 14 Sep 2004 VOL 141 ISS 12
 FILE LAST UPDATED: 13 Sep 2004 (20040913/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s 5-hydroxytryptamine () modulat?
5695465 5
  18916 HYDROXYTRYPTAMINE
  69 HYDROXYTRYPTAMINES
  18939 HYDROXYTRYPTAMINE
    (HYDROXYTRYPTAMINE OR HYDROXYTRYPTAMINES)
  18103 5-HYDROXYTRYPTAMINE
    (5(W) HYDROXYTRYPTAMINE)
  294348 MODULAT?
L1      13 5-HYDROXYTRYPTAMINE (W) MODULAT?
```

```
=> s l1 and memory () disorder?
101094 MEMORY
  4575 MEMORIES
  102486 MEMORY
    (MEMORY OR MEMORIES)
  379937 DISORDER?
  483 MEMORY (W) DISORDER?
L2      0 L1 AND MEMORY (W) DISORDER?
```

```
=> s l1 and memory
  101094 MEMORY
  4575 MEMORIES
  102486 MEMORY
    (MEMORY OR MEMORIES)
L3      0 L1 AND MEMORY
```

=> s 5-hydroxytryptamine () ligand?

5695465 5
 18916 HYDROXYTRYPTAMINE
 69 HYDROXYTRYPTAMINES
 18939 HYDROXYTRYPTAMINE
 (HYDROXYTRYPTAMINE OR HYDROXYTRYPTAMINES)
 18103 5-HYDROXYTRYPTAMINE
 (5(W) HYDROXYTRYPTAMINE)
 362282 LIGAND?

L4 2 5-HYDROXYTRYPTAMINE (W) LIGAND?

=> s l4 and memory
 101094 MEMORY
 4575 MEMORIES
 102486 MEMORY
 (MEMORY OR MEMORIES)

L5 0 L4 AND MEMORY

=> s l4 and review/dt
 1757375 REVIEW/DT
 L6 0 L4 AND REVIEW/DT

=> d his

(FILE 'HOME' ENTERED AT 16:20:49 ON 14 SEP 2004)

FILE 'REGISTRY' ENTERED AT 16:21:18 ON 14 SEP 2004

FILE 'REGISTRY' ENTERED AT 16:22:40 ON 14 SEP 2004

FILE 'HCAPLUS' ENTERED AT 16:22:47 ON 14 SEP 2004

L1 13 S 5-HYDROXYTRYPTAMINE () MODULAT?
 L2 0 S L1 AND MEMORY () DISORDER?
 L3 0 S L1 AND MEMORY
 L4 2 S 5-HYDROXYTRYPTAMINE () LIGAND?
 L5 0 S L4 AND MEMORY
 L6 0 S L4 AND REVIEW/DT

=> s l1 and review/dt
 1757375 REVIEW/DT
 L7 1 L1 AND REVIEW/DT

=> d l7, ibib abs, 1

L7 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN

| | |
|------|----------|
| FULL | SEARCHED |
| Text | EXCERPTS |

ACCESSION NUMBER: 1983:83656 HCAPLUS
 DOCUMENT NUMBER: 98:83656
 TITLE: Noradrenaline and 5-hydroxytryptamine modulation
 of brain dopamine function: implications for the
 treatment of Parkinson's disease
 AUTHOR(S): Jenner, P.; Sheehy, M.; Marsden, C. D.
 CORPORATE SOURCE: Med. Sch., King's Coll. Hosp., London, UK
 SOURCE: British Journal of Clinical Pharmacology (1983),
 15(Suppl. 2), 277-89
 CODEN: BCPHBM; ISSN: 0306-5251
 DOCUMENT TYPE: Journal; General Review
 LANGUAGE: English
 AB A review and discussion with 68 refs. on the effect of noradrenaline
 [51-41-2] and serotonin [50-67-9] on brain dopamine [51-61-6] function

and the implications of such effects for parkinsonism treatment.

=> d his

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| | |
|----|--------------------------------------|
| L1 | 13 S 5-HYDROXYTRYPTAMINE () MODULAT? |
| L2 | 0 S L1 AND MEMORY () DISORDER? |
| L3 | 0 S L1 AND MEMORY |
| L4 | 2 S 5-HYDROXYTRYPTAMINE () LIGAND? |
| L5 | 0 S L4 AND MEMORY |
| L6 | 0 S L4 AND REVIEW/DT |
| L7 | 1 S L1 AND REVIEW/DT |

=> s 5-hydroxytryptamine () ligand?

| | |
|---|--|
| 5695465 5 | |
| 18916 HYDROXYTRYPTAMINE | |
| 69 HYDROXYTRYPTAMINES | |
| 18939 HYDROXYTRYPTAMINE | |
| (HYDROXYTRYPTAMINE OR HYDROXYTRYPTAMINES) | |
| 18103 5-HYDROXYTRYPTAMINE | |
| (5 (W) HYDROXYTRYPTAMINE) | |
| 362282 LIGAND? | |

| | |
|----|-----------------------------------|
| L8 | 2 5-HYDROXYTRYPTAMINE (W) LIGAND? |
|----|-----------------------------------|

=> s l8 and review/dt

| | |
|-------------------|--------------------|
| 1757375 REVIEW/DT | |
| L9 | 0 L8 AND REVIEW/DT |

=> s 5-hydroxytryptamine () inhibit?

| | |
|---|--|
| 5695465 5 | |
| 18916 HYDROXYTRYPTAMINE | |
| 69 HYDROXYTRYPTAMINES | |
| 18939 HYDROXYTRYPTAMINE | |
| (HYDROXYTRYPTAMINE OR HYDROXYTRYPTAMINES) | |
| 18103 5-HYDROXYTRYPTAMINE | |
| (5 (W) HYDROXYTRYPTAMINE) | |
| 1681399 INHIBIT? | |

| | |
|-----|-------------------------------------|
| L10 | 44 5-HYDROXYTRYPTAMINE (W) INHIBIT? |
|-----|-------------------------------------|

=> s l10 and memory () disorder?

| | |
|----------------------|--|
| 101094 MEMORY | |
| 4575 MEMORIES | |
| 102486 MEMORY | |
| (MEMORY OR MEMORIES) | |

| | |
|--------------------------|--|
| 379937 DISORDER? | |
| 483 MEMORY (W) DISORDER? | |

| | |
|-----|--------------------------------|
| L11 | 0 L10 AND MEMORY (W) DISORDER? |
|-----|--------------------------------|

=> s l10 and memory

| | |
|----------------------|--|
| 101094 MEMORY | |
| 4575 MEMORIES | |
| 102486 MEMORY | |
| (MEMORY OR MEMORIES) | |

L12 O L10 AND MEMORY

=> s l10 and review/dt

1757375 REVIEW/DT

L13 1 L10 AND REVIEW/DT

=> d l13, bibb abs, i

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Abstract
 Text References

ACCESSION NUMBER: 1978:99370 HCAPLUS
DOCUMENT NUMBER: 88:99370
TITLE: Histamine and **5-hydroxytryptamine - inhibition**
of transmitter release mediated by H₂- and
5-hydroxytryptamine receptors
AUTHOR(S): McGrath, Michael A.; Shepherd, John T.
CORPORATE SOURCE: Dep. Physiol. Biophys., Mayo Clin. and Mayo Found.,
Rochester, MN, USA
SOURCE: Federation Proceedings (1978), 37(2), 195-8
CODEN: FEPRA7; ISSN: 0014-9446
DOCUMENT TYPE: Journal; **General Review**
LANGUAGE: English
AB A review with 36 refs. suggesting that the vasodilatation caused by
histamine [51-45-6] and 5-hydroxytryptamine [50-67-9] may be due, at
least in part, to their inhibitory action on adrenergic neurotransmission.
The mediation of H₂- and 5-hydroxytryptamine receptors in this inhibition
is also discussed.

=>